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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/821,735	04/08/2004	Michael E. Ring	MER 04069	1527

7590 05/05/2009  
JAMES RAY & ASSOCIATES  
2640 Pitcairn Road  
Monroeville, PA 15146

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EXAMINER

LE, MARK T

ART UNIT PAPER NUMBER

3617

MAIL DATE DELIVERY MODE

05/05/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

**Supplemental  
Notice of Allowability**

Application No.

10/821,735

Examiner

MARK T. LE

Applicant(s)

RING, MICHAEL E.

Art Unit

3617

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the need for formal drawings (Figs 1A, 1B) required in previous Notice of Allowance.
2. ☒ The allowed claim(s) is/are 1, 4, 6-10, 13-14, 16-18, 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date 1/16/09.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                     |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance             |
|  | 9. <input type="checkbox"/> Other _____   |

//Mark Le//  
Primary Examiner, Art Unit 3617

-- (b) an electronic circuit on said circuit board assembly for operating said EOT device, and for power conversion and light signal timing;

(c) at least one on-board battery to provide power to said electronic circuit; and

--.

In the drawings:

The drawings filed on July 19, 2004 are approved for entry.

The replacement sheets of drawings filed on September 14, 2007 and March 24, 2008 are not approved for entry.

The following new drawings are proposed by the examiner and accepted by Applicant.

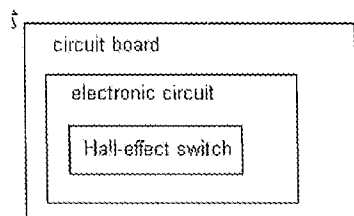


FIG. 1A

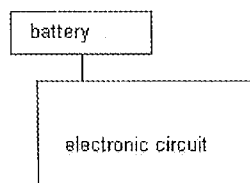


FIG. 1B

Formal drawings, Figs. 1A and 1B, are now required.

In the specification:

Page 5, after the last line, the followings have been inserted:

-- Figure 1A is a schematic block diagram of the circuit board assembly.

Figure 1B is a schematic block diagram of the electrical circuit and an on-board battery. --.

Page 11, lines 13-15, the description "A magnetic device, such as a "hall effect" switch, could also be incorporated into the electrical circuit design for controlling the EOT device's functions." has been changed to -- A magnetic device, such as a Hall-effect switch, could also be incorporated into the electrical circuit design, as shown in Figure 1A, for controlling the EOT device's functions."  
--.

Page 12, lines 6-7, "Another option" has been changed to -- Another option, as shown in Figure 1B, --.

3. As discussed with Mr. Ray, the above changes were needed to better define the instant claimed invention and to avoid issues of new matters.
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARK T. LE whose telephone number is (571)272-6682. The examiner can normally be reached on Mon-Fri, between 8:15-4:45 (Teleworking).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Samuel Morano can be reached on 571-272-6684. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Mark Le/  
Primary Examiner  
Art Unit 3617

mle  
1/8/09

DO NOT ENTER: /ML/

# REPLACEMENT SHEET

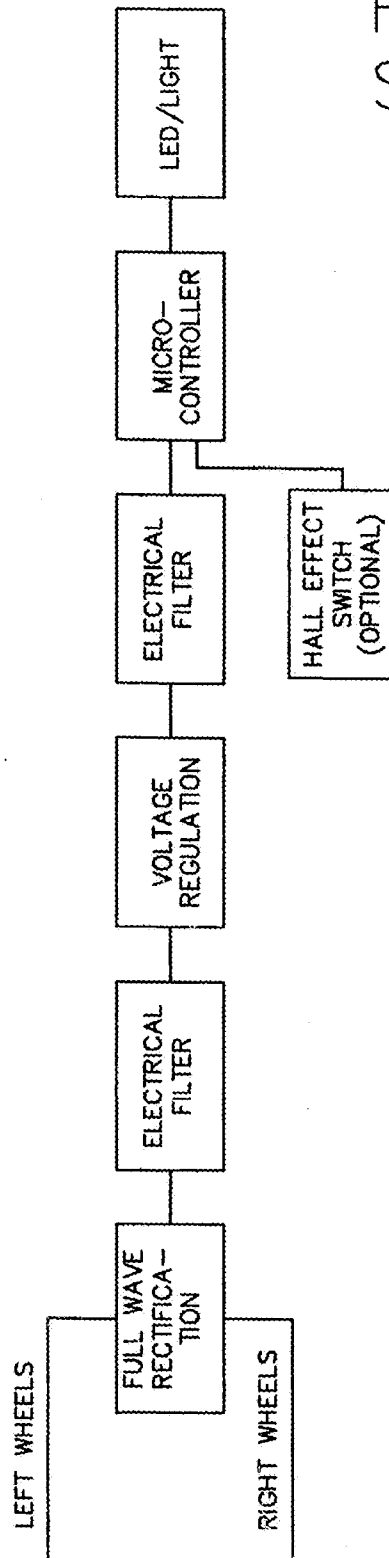


FIG. 1

NEW SHEET

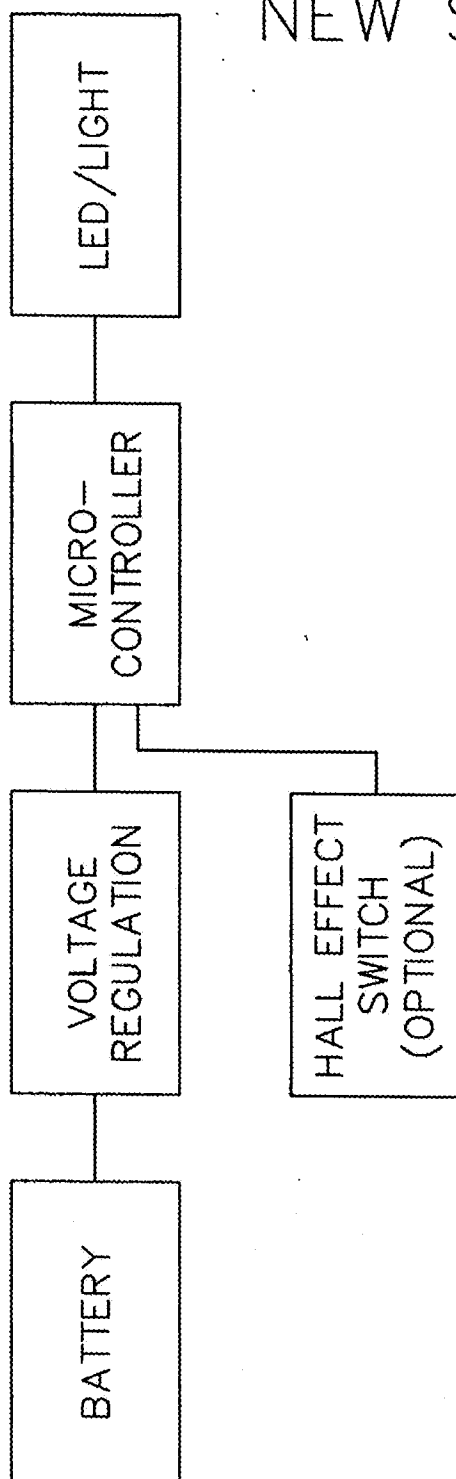


FIG. 1A

# REPLACEMENT SHEET

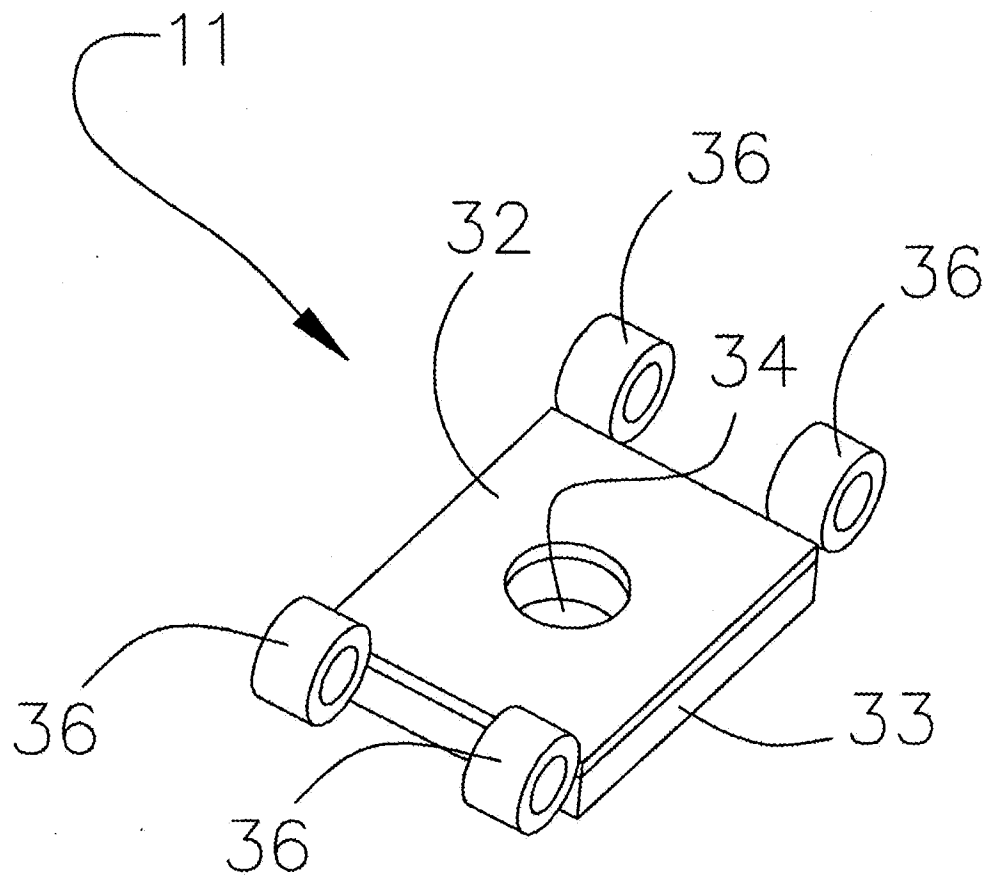


FIG. 3A



# REPLACEMENT SHEET

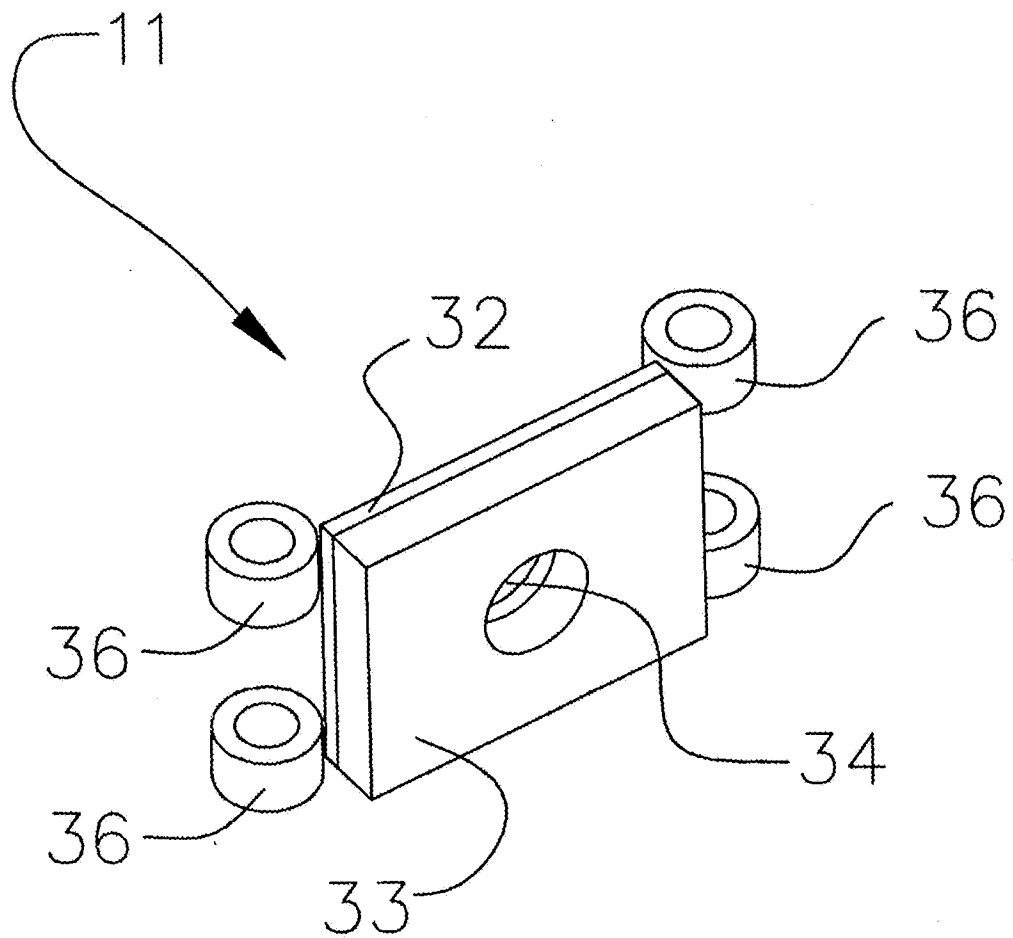


FIG. 4A

# REPLACEMENT SHEET

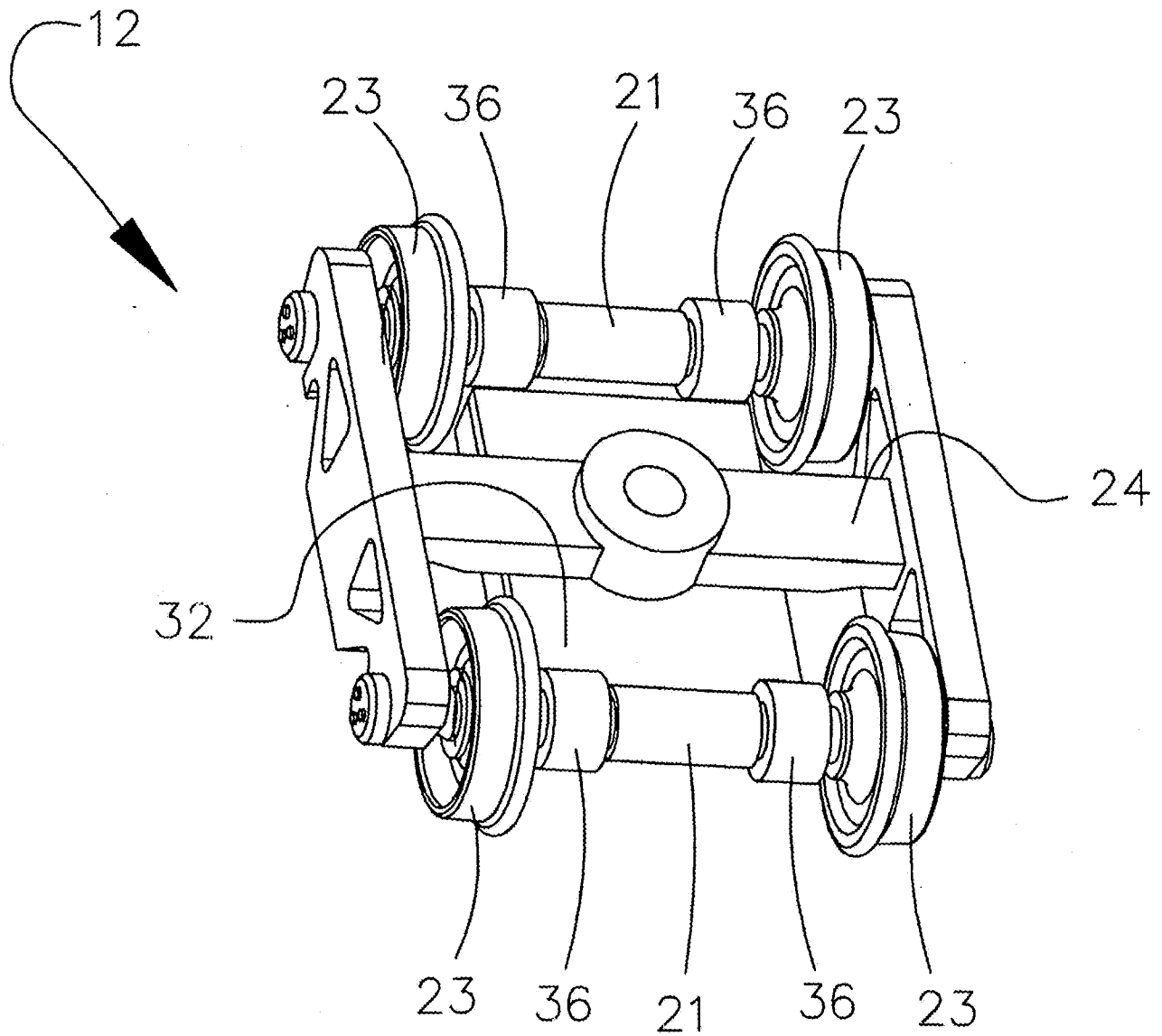


FIG. 5A



DO NOT ENTER: /ML/

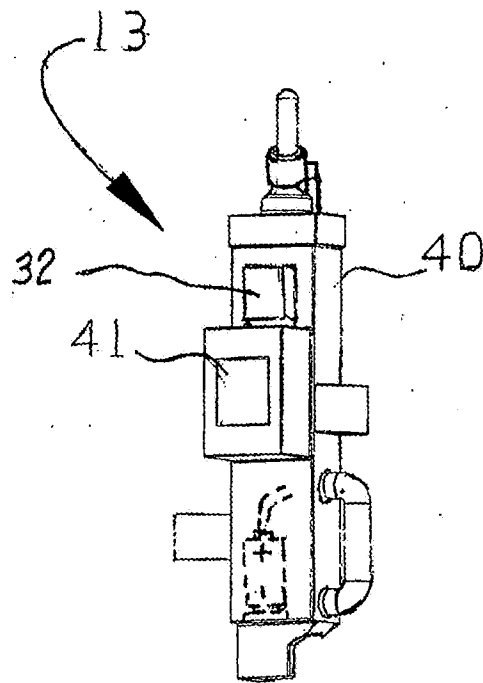


FIG. 7